In the Specification:

Please amend the paragraph beginning on page 3, line 14 as follows:

-- The parallel processing method of the present invention is a program, which may be stored, for example, on a computer-readable storage medium, for enabling a computer to solve an eigenvalue problem on a shared-memory type scalar parallel computer. The method comprises dividing a real symmetric matrix or Hermitian matrix blocks, copying each divided block in the work area of memory and tri-diagonalizing the matrix using each product between the divided blocks; calculating an eigenvalue and an eigenvector based on the tri-diagonalized matrix; and converting the eigenvector by Householder conversion in order to transform the calculation into the parallel calculation of matrix calculations with a prescribed width of a block and calculating the eigenvector of the original matrix.--